

Serial No. 09/629,320
Amdt. dated April 19, 2004
Reply to Office Action of December 17, 2003

Attorney Docket No. PF02024NA

Amendments to the Claims:

1. (Currently Amended) A context-sensitive data announcing device comprising an ad hoc network interface configured to receive a plurality of announcements identifying a plurality of members of an ad hoc network; a database comprising information regarding each of the plurality of members; a processor configured to extract the information regarding the plurality of members from the database using the identifying plurality of announcements and to identify members within a certain proximity; and a user output device for outputting concurrently the information regarding the plurality of members identified to be within the certain proximity, the information including an identity of a person associated with each of the plurality of members.
2. (Canceled).
3. (Previously Presented) The device of claim 1 wherein the user output device outputs concurrently the information regarding the plurality of members in the order the announcements were received.
4. (Previously Presented) The device of claim 1 wherein the information regarding an urgent member comprises an urgent designation; and the user output device outputs concurrently the information regarding the urgent member before information regarding at least some of the other members of the plurality of members.

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5. (Previously Presented) The device of claim 1 wherein the processor is configured to extract the information regarding the plurality of members that are proximate to the device.

6. (Previously Presented) The device of claim 5 wherein the processor is configured to determine the proximity of the plurality of members using a signal strength provided by the network interface.

7. (Original) The device of claim 5 wherein the processor is configured to determine the proximity of a member using the number of hops among members the announcement associated with the member made before being received by the ad hoc network interface.

8. (Original) The device of claim 1 wherein the ad hoc network interface uses one of radio frequency communications, optical communications, or wired communications.

9. (Previously Presented) The device of claim 1 wherein the user output device comprises one of a vibrating mechanism, an audio output, or a visual output.

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10. (Currently Amended) A method for an announcing member of an ad hoc network to announce the presence of one or more members of the ad hoc network, the method comprising receiving an identifying announcement from a plurality of members of the ad hoc network;

accessing a database using the plurality of identifying announcements to retrieve information regarding each of the plurality of members of the ad hoc network from which an announcement was received;

identifying members within a certain proximity; and
outputting concurrently the information regarding the plurality of members identified to be within the certain proximity to a user output device, the information including an identity of a person associated with each of the plurality of members.

11. (Canceled)

12. (Currently Amended) The method of claim 10 ~~11~~ wherein outputting concurrently the information includes outputting concurrently the information in the order received.

13. (Currently Amended) The method of claim 10 ~~11~~ wherein outputting concurrently the information includes raising an urgent identifying announcement to output above information regarding at least one other member of the plurality of members.

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14. (Original) The method of claim 10 further comprising
determining the proximity to the announcing member of each of the members of the ad
hoc network from which the announcing member received an announcement; and
outputting comprises outputting only the identifying data for members of the ad hoc
network that are proximate to the announcing member.

15. (Original) The method of claim 14 wherein
the announcements hop among members of the ad hoc network in order to reach the
announcing member and wherein
determining the proximity comprises counting the hops an announcement made before
reaching the announcing member.

16. (Original) The method of claim 14 further comprising
measuring the signal strength of each received identifying announcement; and wherein
determining the proximity comprises comparing the signal strength of each received
identifying announcement to a threshold.

17. (Original) The method of claim 10 further comprising building the database.

18. (Previously Presented) The method of claim 17 wherein building the database comprises
extracting new information from the plurality of identifying announcements; and
storing the new information in the database.

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19. (Original) The method of claim 17 wherein building the database comprises retrieving new information from a database external to the announcing member; and storing the new information in the database.

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20. (Currently Amended) A system for identifying members of an ad hoc network, the system comprising

communicators, associated with a plurality of source members and a display member, for communicating announcements regarding the source members between the source members and the display member;

a database comprising information regarding the source members;

a processor configured to access the database using the announcements to produce accessed information and to identify members within a certain proximity; and

an output associated with the display member for outputting ~~concurrently~~ the accessed information regarding the plurality of source members identified to be within the certain proximity, the accessed information including an identity of a person associated with each source member.

21. (Original) The system of claim 20 wherein the processor is configured to access the database for only those source members that are proximate to the display member.

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22. (Previously Presented) The system of claim 21 wherein
an announcement passes through at least one communicators as it travels from the source
members to the display member; and
the processor is configured to determine the proximity of a source member to the display
member based on the number of communicators the announcement passed through between the
source member and the display member.

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23. (Previously Presented) The system of claim 21 further comprising
a plurality of signals for carrying the announcements between the source members and the
display member;
a signal strength measurer associated with the display member, the signal strength
measurer producing a signal strength for each signal received from a source member; and
wherein
the processor is configured to determine the proximity of the source members to the
display member using the respective signal strengths.

24. (Original) The system of claim 20 wherein the output displays the accessed information
for the source members in the order that the announcements were received from the respective
source members.

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25. (Original) The system of claim 20 wherein

the accessed information for each source member has an associated urgency, the urgency having an order; and

the output displays the accessed information for the source members in the order of urgency.

26. (Original) The system of claim 20 wherein the processor is associated with the display member.

27. (Original) The system of claim 20 wherein the databasc is associated with the display member.

28. (Previously Presented) The device of claim 1 wherein the user output device outputs concurrently the information regarding the plurality of members in order of proximity to the announcing device.

29. (Previously Presented) The method of claim 10 wherein outputting concurrently the information includes outputting concurrently the information in order of proximity to the announcing member.

30. (Previously Presented) The system of claim 20 wherein the output associated with the display member outputs concurrently the accessed information regarding the plurality of members in order of proximity to the display member.